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| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |   | Attorney Document No.<br><b>0502-10</b>       |
|  |   | U.S. Application No.<br><b>10/510,112</b>     |
| INTERNATIONAL APPLN. NO.<br><b>PCT/FR03/01029</b>  | INTERNATIONAL FILING DATE<br><b>April 2, 2003</b> | PRIORITY DATE CLAIMED<br><b>April 3, 2002</b> |
| TITLE OF INVENTION: <b>PHOTOSENSITIVE ADHESIVE COMPOSITION</b>   |   |   |
| APPLICANT(S) FOR DO/EO/US: <b>Vincent GAUD, Yves GNANOU, Jean-Pierre DESVERGNE, Francis DIERAS and Alexandrine ROUBIER</b>   |   |   |
| Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:  |   |   |
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)).<br/>The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)</li> <li>10. <input type="checkbox"/> A Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv). ))</li> <li>11. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |   |   |
| <b>Items 11 to 20 below concern document(s) or information included:</b>   |   |   |
| <ol style="list-style-type: none"> <li>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input checked="" type="checkbox"/> Copy of IDS citations.</li> <li>13. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s)).</li> <li>14. <input type="checkbox"/> A preliminary amendment.</li> <li>15. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76.</li> <li>16. <input checked="" type="checkbox"/> Itemized Return Receipt Postcard</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> Power of Attorney and Statement under 37 CFR §3.73(b) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed Power of Attorney</li> <li>b. <input type="checkbox"/> A change of Power of Attorney and/or change of address letter.</li> </ol> </li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13<del>ter</del>2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)).</li> <li>22. <input type="checkbox"/> Other items or information: <u><b>Please note that the Declaration of Inventorship for purposes of the U.S.A. designation pursuant to rule 4.17 (iv) was filed in the International Phase, see the published application.</b></u></li> </ol>  |   |   |

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| U.S. APPLICATION NO.<br>10/510,112  |                 | INTERNATIONAL APPLN. NO.<br>PCT/FR03/01029   |                     | ATTORNEY DOCKET NO.<br>0502-1021         |
| <input type="checkbox"/> <b>Applicant claims small entity status. See 37 CFR 1.27.</b><br><input type="checkbox"/> The following fees are submitted:<br><br><b>PCT FEES - NATIONAL STAGE</b>  |                 |  |                     | <b>CALCULATIONS</b><br>PTO USE ONLY      |
|   |                 |  |                     |  |
| <b>Large Entity</b>   |                 | <b>Small Entity</b>  |                     | <b>Fee Description</b>                   |
| <b>Fee Code</b>   | <b>Fee (\$)</b> | <b>Fee Code</b>  | <b>Fee (\$)</b>     |  |
| 1631  | 300.00          | 2631   | 150.00              | Basic National Stage Fee                 |
| 1632  | 500.00          | 2632   | 250.00              | National Stage Search Fee                |
| 1633  | 200.00          | 2633   | 100.00              | National Stage Examination Fee           |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input type="checkbox"/> 30 months from the earliest claimed priority date (Fee Code 1617/2617)  |                 |  |                     | \$130.00                                 |
| <b>SIZE FEE</b><br>Plant size fee each additional 50 sheets in excess of 100<br><br>Fee Code 1681/2681  |                 | <b>Additional Sheets</b><br>- 100 = _____ = _____ X<br><div style="margin-left: 100px;">50</div> |                     | Fee From Below<br><b>\$250.00</b>        |
| <b>CLAIMS</b>   |                 | <b>NUMBER FILED</b>  | <b>NUMBER EXTRA</b> | <b>RATE</b>                              |
| Independent Claims Fee Codes 1614 / 2614  |                 | - 3 =  |                     | x \$200.00                               |
| Total Claims Fee Codes 1615 / 2615  |                 | - 20 =   |                     | x \$50.00                                |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) Fee Code 1616 / 2616  |                 |  |                     | + \$360.00                               |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). Fee Code 1618  |                 |  |                     | \$0.00                                   |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). (Fee code 8021)<br><div style="text-align: right;">\$40.00 per property +</div>   |                 |  |                     | \$0.00                                   |
| <b>TOTAL FEES ENCLOSED =</b>  |                 |  |                     | <b>\$0.00</b>                            |
|   |                 |  |                     | Amount to be refunded: \$<br>Charged: \$ |
| <input type="checkbox"/> A check in the amount of _____ to cover the above fees is attached.<br><br><input type="checkbox"/> The Director is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed.<br><br><input checked="" type="checkbox"/> The Director is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.  |                 |  |                     |  |
| <div style="display: flex; justify-content: space-between;"> <div>           SEND ALL CORRESPONDENCE TO:<br/>           YOUNG &amp; THOMPSON<br/>           745 South 23<sup>rd</sup> Street<br/>           Arlington, VA 22202<br/>           Telephone: (703) 521-2297<br/>           Facsimile: (703) 685-0573<br/><br/>           Y&amp;T Customer No. <b>00466</b><br/>           RJP/fb         </div> <div style="text-align: right;"> <div style="margin-bottom: 10px;"> <br/>           SIGNATURE         </div> <div> <b>Robert J. Patch, Reg. No. 17,355</b><br/>           NAME, REGISTRATION NUMBER<br/><br/>           January 4, 2005<br/>           DATE         </div> </div> </div> |                 |  |                     |  |

Rec'd PCT

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PATENT  
0502-1021

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Vincent GAUD et al.

Conf. 5065

Application No. 10/510,112

Group 1714

Filed October 4, 2004

PHOTOSENSITIVE ADHESIVE COMPOSITION

INFORMATION DISCLOSURE STATEMENT

MS AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the cited documents are made of record on the enclosed PTO Form-1449.

As the USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and patent publication for applications filed after June 30, 2003, a copy of the cited U.S. reference is not enclosed, as the present application is filed after June 30, 2003. Copies of the cited foreign patent documents and/or non-patent literature are enclosed.

A concise explanation of the relevance of these items is that these references were cited by the International Patent Office in the corresponding International Application Serial No. PCT/FR 03/01029, filed April 2, 2003. A copy of

the International search report in which they were cited is  
attached hereto.

Respectfully submitted,

YOUNG & THOMPSON

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(703) 979-4709

RJP/fb

January 4, 2005

# **INFORMATION DISCLOSURE CITATION IN AN APPLICATION**

(Use several sheets if necessary)

Attorney Docket No.:

**0502-1021**

Application No.:

**10/510,112**

Applicant:

**Vincent GAUD et al.**

Filing Date:

**October 4, 2004**

Group Art Unit:

**1714**

## **U.S. PATENT DOCUMENTS**

| Examiner Initial | Document Number | Date      | Name           | Class | Subclass | Filing date (if appropriate) |
|------------------|-----------------|-----------|----------------|-------|----------|------------------------------|
|                  | 4,286,047       | 8/25/1981 | Bennett et al. |       |          |                              |
|                  |                 |           |                |       |          |                              |
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## **FOREIGN PATENT DOCUMENTS**

| Examiner Initial | Document Number | Date       | Country        | Class | Subclass | Translation |    |
|------------------|-----------------|------------|----------------|-------|----------|-------------|----|
|                  |                 |            |                |       |          | Yes         | No |
|                  | CS150885*       | 9/17/1973  | CZECHOSLOVAKIA |       |          |             | x  |
|                  | 0 635 534       | 1/25/1995  | EUROPEAN       |       |          |             | x  |
|                  | WO 96/31559     | 10/10/1996 | INTERNATIONAL  |       |          |             |    |
|                  | WO 96/02491     | 2/1/1996   | INTERNATIONAL  |       |          |             |    |
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## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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|  | Donya, A.P. et al., "Synthesis of triazenes and azo dyes from aminostyrenes", Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva im. D.I. Mendeleeva (1974), 19(5), 584-6*                             |
|  | Kamogawa, H. et al., "Syntheses and properties of photochromic polymers of the azobenzene and thiazine series", J. POLYM. SCI., PART A-1 (1968), 6(11), 2967-91                                    |
|  | Lormann, M. et al., "Hydro-dediazoniation of diazonium salts using trichlorosilane: new cleavage conditions for the T <sub>1</sub> traceless linker," TETRAHEDON LETTERS (2000), 41(20), 3813-3816 |
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EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* Abstract provided for the Examiner's convenience

(Use several sheets if necessary)

Application No.:  
**10/510.112**

Applicant:  
**Vincent GAUD et al.**

Filing Date:  
**October 4, 2004**

Group Art Unit:  
**1714**

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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|  |  | Nuyken, O. et al., "Laser ablation of arylazo-containing polymers", POLYMER NEWS (1999), 24(8), 257-266   |
|  |  | Nuyken, O. et al., "Synthesis of Polysulfides Containing the Triazeno Group and Their Application as Photoresists in Excimer Laser Polymer Ablation", CHEMISTRY OF MATERIALS (1997), 9(2), 485-494  |
|  |  | Wei, J. et al., "Novel Laser Ablation Resists for Excimer Laser Ablation Lithography. Influence of Photochemical Properties on Ablation", JOURNAL OF PHYSICAL CHEMISTRY B (2001), 105(6), 1267-1275 |
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